

*Four-Year Degree Plan for Major in Biology, B.S., with a Concentration in Pre-Health Professions*

Note that this is a sample four-year plan. There are other course sequences that will allow a student to graduate within four years as long as prerequisite courses are taken in the proper sequence. A student must earn a minimum of 124 credit hours to qualify for the Bachelor of Science degree in Biology, with a Concentration in Pre-Health Professions.

*Four Year Degree Plan*

**First (Freshman) Year - Fall Semester**

BIO 198	General Biology I	3
BIO 198L	General Biology I Laboratory	1
	or	
BIO 199	General Biology II	3
BIO 199L	General Biology II Laboratory	1
CHE 152	General Chemistry I	3
CHE 153L	General Chemistry I Laboratory	1
AWR 101	Writing and Inquiry	4
BAC 101	First-Year Seminar I	1
	or	
HON 101	Pathways to Honors 1	1
MAT 170	Precalculus	4
		<b>Subtotal: 17</b>

**First (Freshman) Year - Spring Semester**

BIO 198	General Biology I	3
BIO 198L	General Biology I Laboratory	1
	or	
BIO 199	General Biology II	3
BIO 199L	General Biology II Laboratory	1
CHE 154	General Chemistry II	3
CHE 155L	General Chemistry II Laboratory	1
MAT 260	Calculus I	4
	Humanities / Fine Arts or Social Science (Bacc. Exp.)	4
BAC 102	BAC 102 / Pathways to Honors 2	1
		<b>Subtotal: 17</b>

Upper-division biology courses (above BIO 199, ENS 200, and MAR 201) require completion of the lower-core curriculum with a grade of “C” or better in each course — BIO 198, BIO 198L, BIO 199, BIO 199L, CHE 152, CHE 153, CHE 154, CHE 155, MAT 170.

**Second (Sophomore) Year - Fall Semester**

BIO 200	General Genetics	4
	or	
BIO 201	Molecular Genetics	4
CHE 232	Organic Chemistry I	3
CHE 233L	Organic Chemistry I Laboratory	1
PHY 200	General Physics I	4
	or	
PHY 205	General Physics with Calculus I	4
AWR 201	Writing and Research	4
		<b>Subtotal: 16</b>

**Second (Sophomore) Year - Spring Semester**

BIO	Category requirement (I, II or III), PP	4
CHE 234	Organic Chemistry II	3
CHE 235L	Organic Chemistry II Laboratory	1
PHY 201	General Physics II	4
	or	
PHY 206	General Physics with Calculus II	4

Humanities/Fine Arts or Social Science (Bacc. Exp.)	4
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**Subtotal: 16**

**Third (Junior) Year - Fall Semester**

BIO	Pre-Professional elective	4
	Humanities/Fine Arts or Social Science (Bacc. Exp.)	4
	General Elective	4
	General Elective	4

**Subtotal: 16**

**Third (Junior) Year - Spring Semester**

BIO	Pre-Professional elective	4
BIO	Category requirement (I, II or III), PP	4
	Humanities/Fine Arts or Social Science (Bacc. Exp.)	4
	Humanities/Fine Arts or Social Science (Bacc. Exp.)	4

**Subtotal: 16**

**Fourth (Senior) Year - Fall Semester**

BIO	Pre-Professional elective	4
	General Elective	4
	General Elective	4
	Humanities/Fine Arts or Social Science (Bacc. Exp.)	4

**Subtotal: 16**

**Fourth (Senior) Year - Spring Semester**

BIO	Pre-Professional elective	4
	General Elective	4
BIO 410	Senior Seminar	1
	General Elective	4

**Subtotal: 13**

Note: The math requirement and natural science component of the Baccalaureate Experience are fulfilled by courses in the above sequence (i.e., BIO 198, CHE 152, MAT 260).

Many of the pre-health professions concentration elective biology classes are offered only in the fall or spring. It is the student’s responsibility to track the semesters in which they are offered. In addition, many of the electives are required for admission into certain professional schools. It is the student’s responsibility to research such admission requirements and to select the appropriate courses through their biology electives and major courses. Note that CHE 152–153 and CHE 252–253 are typically offered only in the fall and CHE 154–155 and CHE 254–255 are typically offered only in the spring. Failure to take these courses prior to the end of year three may result in a delay in applications for professional schools. These courses and others are often available during summer terms.